

Figure 1.

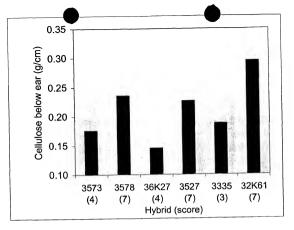
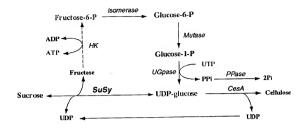
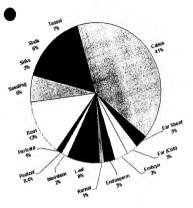


Figure 2





10080114,022102

Figure 4.

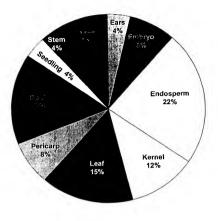


Figure 5



Figure 6.

Figure 7.

Genotype	structural dry matter (% of total dry matter)	cellulose (% of total dry matter)	cellulose (% of structural dry matter)	
Sus-1 (WT)	63.2	25.2 +/-0.38	39.9	
sus-1 (mutant)	47.3	17.7 +/-0.34	37.4	

Consensus

```
(1) ----MAAKLTRLHSLRERIGATFSSHPNELTALFSRYVHQGKGMLQRHQ
      Sh1
              (1) MGEGAGDRVLSRLHSVRER IGDSLSAHPNELVAVFTRLKNLGKCMLQPHO
     Sus1
     Sus3
                  -----STHASGORVEDTLHAHRNELVALLSKYVNKGKGILOPHH
              (1)
Consensus
              (1)
                            LSRLHSLRERIGDTLSAHPNELVALFSRYVN GKGMLOPHO
                  51
                                                                      100
             (46) ÜLABERD-AÜFDSDKE--KYAPPEDILRAAGEAIVLPPMVALAIRPRPGVW
(51) IÜLBEYNNAÜPBAEREKLKÜGAFEDVLRAAGEAIVIPPMVALAIRPRPGVW
(40) ILDALDEVOGSGGRA-LABGPPLDVLRAAGBAIVLPPFVATAVRPRPGVW
      Sh1
     Sus1
     Sus3
             (51) ILAEFD AI DADRE LKDGPFEDVLRAAOEAIVLPPWVALAIRPRPGVW
Consensus
                  101
                  DYTRVNVSELAVEELSVSEYLAFKEQLVDGQSNSNFVLELDFEPFNASFR
             (93)
      Sh1
                  EYVRVNVSELAVESTRVPSYLOFKEOLVESOPNNHVLBLDFEPHASPE
EYVRVNVHELSVSOLTVSEYLRFKESLVDCOHNDPYVLBLDFEPHAVSVR
     Sus1
            (101)
     Curca
Consensus
            (101)
                  EYVRVNVSELAVEELSVSEYL FKEOLVDGO N NFVLELDFEPFNASFP
                                                                      200
                  151
      Sh1
            (143) RESMSKSIGNGVOFLNRHLSSKLFODKESLYPLINFLKAFNYKGTTMMLN
            (151) RPSLSKSIGNGVOFLNRHLSSKLEHDKESMYPLINFLRAHNYKONTMMLN
     Sus1
            (139) RPNRSSIGNGVQFLNRHLSSIMFRNRDCLEPLLDFLRGHRHKGHVMMLN
     Sus3
Consensus
            (151) RPSISKSTGNGVOFINRHISSKLE DKESLYPLINFLRAHNYKG TMMLN
                  201
                  DRIOSERGEÖSSERKAEBYILSVPODTPYSEFNHRFOELGLEKGWGDTAK
                  DRIRSTSALOGATRKAEEHUSTLOADTPYSEFHHRFOELGLEKGWGDCAK
            (201)
     S11e1
     Sus3
                  DRIGSLGRIGSVITKAEEHISKLPADTPYSOFAYKFOEWGLEKGWGDTAG
            (201)
                  DRIOSL ALOSALRKAEEHLSSLPADTPYSEF HRFQELGLEKGWGDTAK
Consensus
                  251
            (243)
                  RVLDTLHLLLDLLEAPDPANLEKFLGTIPMMFNVVILSPHGYFADSNVLG
      Sh1
     Sus1
            (251)
                  RAQETIHLLLDLLEAPDPSTLEKFLGTIPMVFNVVILSPHGYFAQANVLG
            (239) HVLEMIHLLLDIICAPDPSTLEKFLGRIPMIFNVVVVSPHGYFGGANVLG
     Sus3
            (251) RVLETIHLLLDLLEAPDPSTLEKFLGTIPMIFNVVILSPHGYFAQANVLG
Consensus
                                                                      350
            (293) YPDTGGOVVYILDOVRALENEMLLRIKOOGLDITPKILIVTRILPDAAGT
      Sh1
            (301) YPDTGGOVVYILDQVRAMENEMLLRIKQCGLDITPKILIVTRLLPDATGT
     S1101
            (289) LPDTGGOIVYILDOVRALENEMVLRLKKOGLDVSPKILIVTRLIPDAKGT
     Sus3
Consensus
            (301)
                  YPDTGGOVVYILDOVRALENEMLLRIKOOGLDITPKILIVTRLLPDA GT
                                                                      400
                  351
                  TCGORLEKVIGTEHTDI IRVPFRNENGILRKWI SRFDVWPYLETYTEDVS
      Sh1
                  TCGQRLEKVLCTEHCHILRVPFRTENGIVRKWISRFEVWPYLETYTDDVA
                  SCHORLERISCTOHTYTLRVPFRHENGILKKWISRFDVWPYLETFAEDAA
            (339)
     Sus3
            (351)
                  TCGORLEKVIGTEHTHILRVPFRNENGILRKWISRFDVWPYLETYTEDVA
Consensus
      Shi
            (393) SEIMKEMOAKPOLIIGNYSDGNLVATLLAHKLGVTQCTIAHALEKTKYPN
            (401) HETAGELQANPOLITGNYSDGNLVACLLAHKMGVTHCTIAHALEKTKYPN
     Sus1
            (389) GETAAELOGTPDFIIGNYSDGNLVASLLSYKMGITOCNTAHALEKTKYPD
     Sus3
                   EIAAELQA PDLIIGNYSDGNLVASLLAHKMGVTQCTIAHALEKTKYPN
Consensus
            (401)
                                                                      500
                  451
            (443)
                  SDIYLDKFDSOYHFSCOFTADLTAMNHTDFIITSTFDEIAGSKDTVGOYE
                  SDLYWKKFEDHYHFSCOFTTDLIAMNHADFIITSTFQEIAGNKDTVGQYE
     Sus1
            (451)
     S1103
            (439) SDIFWKNFDEKYHFSCQFTADIIAMNNADFIITSTYQEIAGSKNTVGQYE
Consensus
            (451) SDIYWKKFDD YHFSCOFTADLIAMNHADFIITSTFQEIAGSKDTVGQYE
                   501
                                                                      550
            (493)
                  SHIAFTLPGLYRVVHGIDVFDPKFNIVSPGADMSVYYPYTETDKRLTAFH
      Sh1
            (501) SHMAFTMPGLYRVVHGTDVFDPKFNIVSPGADLSTMFPYTESHKRLTSLH
     Sus1
                  SHTAFTLPGLYRVVHGIDVFDPKFNIVSPGADMSIYFPHTEKAKRLTSLH
     Sus3
```

Figure 8a

(501) SHIAFTLPGLYRVVHGIDVFDPKFNIVSPGADMSIYFPYTES KRLTSLH

Sh1 Sus1	(543) (551)	551 600 PETEELITYSDVENSEHKFVLKDKKKPTIFSMARLDRVKNMTGLVEMYGKN PETEELITYSOTENTEHKFVLNDRNKPTIFSMARLDRVKNLTGLVELYGRN
Sus3 Consensus	(539) (551)	GS[ENL][MDPBQNDEHIGHLDDRSKPILFSMARLDRVKNITGLVEAFAKC PETEELIYS ENSEHKFVL DR KPITFSMARLDRVKNITGLVELYGKN
Consensus	(221)	PEIEELIIS ENSERATVE DR APIITSMAREDAVANTIGEVELIGAN
		601 650
Sh1	(593)	ARERELANLVIVAGDHGK-ESKEREEOAEFKKMYSLIDEYKEKGHIRWIS
Sus1	(601)	KRIGELVNLVVCGDHGN-PSKDKEEQAEFKKMFDLIEQYNLNGHIRWIS
Sus3	(589)	AKTRETVNLVVVAGYNDVNKSKOREETAETEKMHELTKTHNTFGQFRWIS
Consensus	(601)	ARLRELVNLVVVAGDHG SKDREEOAEFKKMHDLID YNL GHIRWIS
		651 700
Sh1	(642)	AQMNRVRNGELYRYICDTKGAFVQPAFYEAFGLTVIESMTCGLPTIATCH
Sus1	(650)	AOMNRVRNGELYRY ICDTKGAFVOPAFYEAFGLTVVEAMTCGLPTFATAY
Sus3	(639)	AQTNRARNGELYRYTADTHCAFVQPALYEAFGLTVVEAMTCGLPTFATLH
Consensus	(651)	AQMNRVRNGELYRYICDTKGAFVQPAFYEAFGLTVVEAMTCGLPTFAT H
		701 750
Sh1	(692)	GGPAET IVDGVSGLHIDPYHSDKAADTLVNFFDKCKADESYWDET SQGGL
Sus1	(700)	GGPAET LVHGVSGYHIDPYQGDKASALLVDFFDKCQAEPSHWSKT SQGGL
Sus3	(689)	GGPABITEHGVSGFHIDPYHPEQAVNLMADFFDRCKQDPDHWVNESGAGL
Consensus	(701)	GGPAEIIVHGVSGFHIDPYH DKAA LLVDFFDKCKADPSHW ISQGGL
		751 800
Sh1	(742)	QRIYEKYTWKLYSERLMTLTGVYGFWKYVSNLERRETRRYIEMFMALKYR
Sus1	(750)	OR JEEKYTWKLYSERI.MTLTGVYGFWKYVSNLERRETRRYLEMLYALKYR
Sus3	(739)	QRIYEKYTWKIYSERLMTLAGVYGFWKYVSKLERLETRRYLEMFYILKFR
Consensus	(751)	QRIYEKYTWKLYSERLMTLTGVYGFWKYVSNLERRETRRYLEMFYALKYR
		801 817
Sh1	(792)	SLASQVPLSFD
Sus1	(800)	TMASTVPLAVEGEPSSK
Sus3	(789)	ELAKTVPLAID-QPQ
Consensus	(801)	SLASTVPLAID P

Figure 8b

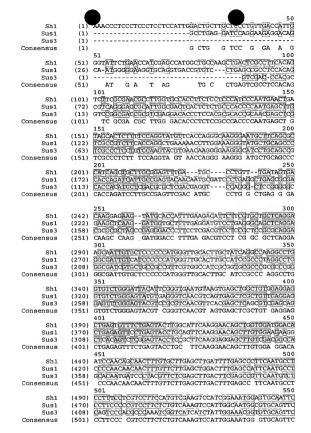


Figure 9a

		551 600
Sh1	(540)	CTTAACCGACACCTGTCGTCCAAGTTGTTCCAGGACAAGGAGAGTTTGTA
Sus1	(520)	CTCAACAGGCACCTGTCATCAAAGCTCTTCCATGACAAGGAGAGCATGTA
Sus3	(458)	CTCAACCGACACTTGTCCTCAATCATGTTCCGCAACAGGGATTGCTTGGA
Consensus	(551)	CTCAACCGACACCTGTC TCAAAG TGTTCCA GACAAGGAGAGCTTGTA
		601 650
Sh1	(590)	CCCCTTGCTGAACTTCCTCAAGGCTCATAACTACAAGGGCACGACGATGA
Sus1	(570)	CCCCTTGCTCAACTTCCTTCGCGCCCACAACTACAAGGGGATGACCATGA
Sus3	(508)	GCCCCTGTTGGATTTCCTCCGTGGCCACCGGCACAAGGGGCATGTTATGA
Consensus	(601)	CCCCTTGCTGAACTTCCTCCG GCCCACAACTACAAGGGGA GAC ATGA
		651 700
Sh1	(640)	TGTTGAATGACAGAATCCAAAGCCTTCGTGGTCTCCAATCATCCCTGAGA
Sus1	(620)	TGTTGAACGACAGATCCGCAGTCTCAGTGCTCTGCAAGGTGCGCTGAGG
Sus3	(558)	TGCTTAATGATAGAATACAAAGGTTGGGGAGGCTTCAGTCTGTGCTGACC
Consensus	(651)	TGTTGAATGACAGAATCCAAAGCCT GTGGTCT CAATCTGCGCTGAG
		701 750
Sh1	(690)	AAGGCAGAGGAGTATCTACTGAGTGTTCCTCAAGACACTCCCTACTCGGA
Sus1	(670)	AAGGCTGAGGAGCACCTGTCCACCCTACAAGCTGATACCCCATACTCTGA
Sus3	(608)	ANAGCTGAGGAGCAGTFGTGANAGCTCCCTGCTGACACACCATACTCACA
Consensus		AAGGCTGAGGAGCACCTGTC A CT CCTGCTGACAC CCATACTC GA
COMBONIDAD	(,	751 800
Sh1	(740)	
Sus1	(720)	
Sus3	(658)	
Consensus	(751)	
Conscissas	(,,,,	801 850
Sh1	(790)	
Sus1	(770)	
Sus3	(708)	
Consensus	(801)	C GC AAGCGTGTTCTGGA AC ATCCACCTCCTTCT GACCTCCTTGAG
Consensus	(801)	851 900
Sh1	(840)	
Susl	(820)	GCCCAGATCCGTCCACCTGGAGAGTTCCTTGGAACGATCCCCATGGT
Sus1 Sus3	(758)	GCCCAGATCCGTCCACCCTGGAGAAGTTCCTTGGGAACGATCCCCATGAT
	(851)	GCCCCAGATCC TCCACCCTGGAGAAGTTCCTTGGAACGATCCCCATGAT
Consensus	(821)	901 950
Sh1	(890)	
Susl	(870)	GTTCAATGTCGTTATCCTCTCCCCTCATGGTTACTTCGCTCAAGCTAATG
	(808)	TTTTAACGTTGTTGTGGTATCCCCTCATGGTTACTTTGGTCAAGCTAATG
Sus3		
Consensus	(901)	951 1000
Sh1	(940)	752
Sus1	(920)	
Sus3	(858)	TATTAGGCTTGCCAGACACAGAGGAGGACAGATCGTCTATATACTGGACCAA
Consensus	(951)	T TT GG TACCCTGACAC GGAGG CAGGTTGTCTACAT CTGGATCAA
		1001 1050
Sh1	(990)	
Sus1	(970)	
Sus3	(908)	GTCCGTGCACTAGAAAATGAGATGGTTCTCCGTTTAAAGAAACAAGGGCT
Consensus	(1001)	GTCCGTGCT TGGAGAATGAGATGCTTCTGAGGAT AAGCAGCAAGG CT
		1051 1100
Sh1	(1040)	
Sus1	(1020)	TGACATCACGCCGAAGATCCTTATTGTCACCAGGTTGCTCCCTGATGCAA
Sus3	(958)	TGATGTTTCCCCAAAGATTCTCATTGTTACTCGGCTGATACCAGATGCAA
Consensus	(1051)	TGATATCAC CCGAAGATCCTCATTGTTACCAGGCTG T CCTGATGCAA

Figure 9b

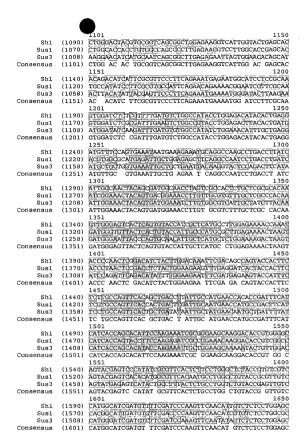


Figure 9c

		1651 1700
Sh1	(1640)	AGACATGAGTGTTTACTACCCTTATACGGAAACCGACAAGAGACTCACTG
Susl	(1620)	GGACCTGTCCATCTACTTCCCGTACACCGAGTCGCACAAGAGCTCACCT
Sus3	(1558)	TGACATGTCCATATACTTTCCACATACCGAGAGGCCAAGCGACTCACCT
		GACATGTCCAT TACTTCCC TATACCGAGACGGACAAGAGACTCACCT
Consensus	(1651)	GACATGICCAT TACTICCC TATACCGAGACGGACAAGAGACTCACCT
		1701 1750
Sh1	(1690)	2701
Susl	(1670)	CCCTTCACCCGGAGATTGAGGAGCTCCTGTACAGCCAAACCGAGAACACG
Sus1	(1608)	CTCTTCATGGTTCAATCGAAAATTTGATTTATGACCCGGAGCAAAACGAT
Consensus	(1701)	
Consensus	(1/01)	1751 1800
Sh1	(1740)	
Susl	(1720)	GAGCACAAGTTCGTTCTGAACGACAGGAACAAGCCAATCATCTTCTCCAT
Sus3	(1658)	
Consensus	(1751)	GAGCACAAGTTCGTTCTGAA GACAGGAA AAGCC ATCATCTTCTCCAT
conscisus	(1,01)	1801 1850
Sh1	(1790)	
Sus1	(1770)	
Sus3	(1708)	GGCAAGACTCGAGACGTGAAGAACATAACAGGGCTGGTCGAAGCTTTTG
Consensus	(1801)	
compenda	(1001)	1851 1900
Sh1	(1840)	
Sus1	(1820)	GCCGGAACAAGCGGCTGCAGGAGCTGGTGAACCTCGTGGTCGTCTGCGGC
Sus3		CTAAGTGCGCTAAGCTGAGGGAGCTGGTAAACCTTGTCGTCGTTGCCGGG
Consensus		GCAAGAACGCGCGGCTGAGGGAGCTGGTGAACCTCGTGGTCGTTGCCGG
00110 0110 00	(/	1901 1950
Sh1	(1890)	
Sus1	(1870)	GACCATGGCAACCCTTCCAAGGACAAGGAGGAGCAGGCCGAGTTCAA
Sus3	(1808)	TACAATGATGTCAACAAGTCCAAGGACAGGGAAGAGATCGCGGAGATAGA
Consensus	(1901)	
		1951 2000
Sh1	(1937)	GAAGATGTACAGCCTCATCGACGAGTACAAGTTGAAGGGCCATATCCGGT
Sus1	(1917)	
Sus3	(1858)	GAAGATGCATGAACTCATCAAGACCCACAACTTGTTCGGGCAGTTCCGCT
Consensus	(1951)	GAAGATGTATGACCTCATCGAG AGTACAACTTGAACGGGCA ATCCGCT
		2001 . 2050
Sh1	(1987)	GGATCTCGGCGCAGATGAACCGTGTCCGCAACGGGGAGCTGTACCGCTAC
Sus1	(1967)	GGATCTCCGCCCAGATGAACCGCGTCCGCAACGGCGAGCTGTACCGCTAC
Sus3	(1908)	GGATCTCTGCCCAGACAACAGGGCCCGTAACGGCGAGCTCTATCGCTAC
Consensus	(2001)	GGATCTC GCCCAGATGAACCG GTCCGCAACGGCGAGCTGTACCGCTAC
		2051 2100
Sh1	(2037)	ATTTGCGATACCAAGGGCGCATTCGTGCAGCCTGCGTTCTACGAAGCGTT
Sus1	(2017)	ATCTGCGACACCAAGGGCGCCTTCGTGCAGCCTGCTTTCTACGAGGCTTT
Sus3	(1958)	ATCGCTGATACCCATGCTGCTTTCGTACAGCCGGCCTTGTATGAAGCGTT
Consensus	(2051)	ATCTGCGATACCAAGGGCGC TTCGTGCAGCCTGC TTCTACGAAGCGTT
		2101 2150
Sh1	(2087)	
Sus1	(2067)	CGGGCTGACGGTGAGGCCATGACCTGCGGCCTGCCCACGTTCGCCA
Sus3	(2008)	CGGTCTCACCGTCGTTGAGGCCATGACCTGTGGGCTTCCTACTTTCGCGA
Consensus	(2101)	CGG CTGAC GTGGTTGAGGCCATGACCTGCGG CTGCC ACGTTCGCGA
		2151 2200
Sh1	(2137)	
Susl	(2117)	CCGCCTACGGCGTCCGGCGAGATCATCGTGCACGGCGTGTCTGGCTAC
Sus3	(2058)	
Consensus	(2151)	CC CCATGGCGGTCC GCTGAGATCATCGTGCACGGCGT TCTGGCTTC

Figure 9d

	•	
		2201 2250
Sh1	(2187)	
Sus1	(2167)	CACATCGACCCTTACCAGGGCGACAAGGCGTCGGCCCTGCTCGTGGACTT
Sus3	(2108)	
Consensus	(2201)	CACATTGACCCTTACCAC GCGACAAGGC GCGGATCTGCTGGTCGACTT
-1	(2251 2300
Sh1	(2237)	CTTTGACAAATGCAAGGCAGATCCGAGCTACTGGGACGAGATCTGACAGG
Sus1	(2217)	CTTCGACAAGTGCCAGGCGAGCCGAGCCACTGGAGCAAGATCTCCCAGG
Sus3	(2158)	CTTCGACCGGTGCAAGCAAGACCCAGATCACTGGGTGAATATATCTGGAG
Consensus	(2251)	CTTCGACAAGTGCAAGGCAGA CCGAGCCACTGGG CAAGATCTC CAGG 2301 2350
Sh1	(2287)	
Sus1	(2267)	
Sus1	(2208)	
Consensus	(2301)	
Conscilsus	(2301)	2351 2400
Sh1	(2337)	AGGCTGATGACCCTGACCGGCGTGTACGGGTTCTGGAAGTACGTGAGCAA
Sus1	(2317)	AGGCTGATGACCCTCACCGGCGTGTACGGGTTCTGGAAGTACGTGTCCAA
Sus3	(2258)	
Consensus	(2351)	AGGCTGATGACCCTGACCGGCTGTACGGGTTCTGGAAGTACGTGTCCAA
COMPCHIBAD	(2331)	2401 2450
Sh1	(2387)	
Sus1	(2367)	
Sus 3	(2308)	
Consensus	(2401)	
	(,	2451 2500
Sh1	(2437)	
Sus1	(2417)	
Sus3	(2358)	
Consensus	(2451)	AGTACCGCA CCTGGCGAGCACCGTGCCGCTGGCC T GA G AG
		2501 2550
Sh1	(2481)	TACGGGGAAAGAAGAAGAAAAAAAAAAAAAAGCCCAGGCCGGAG
Sus1	(2461)	GAGCCTCCAGCAAGTGA-TGCGTGACGGCGCCACAGACCTGATCG
Sus3	(2408)	
Consensus	(2501)	TAGC GC AGAA G GA TGCGTAACA GGCACAGGCCTGA G
		2551 2600
Sh1	(2525)	
Sus1	(2507)	ATCGATGAGCGAGAGGGAGCACTCGGAGT-GTCGTGTCTTTTCCC
Sus3	(2458)	
Consensus	(2551)	
		2650
Sh1	(2565)	
Sus1	(2551)	TTGCCATTTCTTTCTTCTTTTTCCTTGCCGGAGGCGAAAAAAA
Sus3	(2508)	
Consensus	(2601)	TG TGTC TG TTT TT TTATGT TACT GGAGTC AA AAAAT 2651 2700
Sh1	(2613)	
Sus1	(2599)	AGAGTC-TGCTT-TTGCTAGGCGGCGGGGGTTCGTTGCTGCTTTTGCTT
Sus3	(2558)	
Consensus	(2651)	
	.====/	2701 2750
Sh1	(2663)	GCCTGGTTCCTAGTATGGTGGGAATTGGCTGCACCTTTTGCTTCGAATAA
Sus1	(2647)	CAAGAGTTAAAATTTACCTACCTTGTCAAGGTCTTGTTCCATCATTGA
Sus3	(2600)	TACTGTATTATGTCAAGCTGTCGGCTGCAATTTCTTTGCTGGCA
Consensus	(2701)	ACTGGTT ATATTAAGCTG C TTGGCTGCA CTT TTC TGA T A

		2751 2800
Sh1	(2713)	
Sus1	(2695)	
Sus3	(2644)	AGCCGCAGGCACTGGTGAAGTGCTGATAAATACATCATATTCTGTTGACC
Consensus	(2751)	A C GC GGC CTTGTA GTCTGATAGA TG T TA T TG C
		2801 2850
Sh1	(2747)	
Sus1	(2745)	
Sus3	(2694)	TGTGAAAAAAAAAAAAAAAAAAAAAAAAAAGGGCGGCCGG
Consensus	(2801)	G A A AA G G G C
		2851 2900
Sh1	(2747)	
Sus1	(2795)	GGTGCTCCCTTTGTTTCCTGGATGGGATGTTGCTCCTTGAATAATAATCG
Sus3	(2738)	
Consensus	(2851)	
		2901 2950
Sh1	(2747)	
Sus1	(2845)	TAGTGGCCTTGGAGCCCTTTTCCTGAAATAAGAGCAGCATCCTAGTGCTT
Sus3	(2738)	
Consensus	(2901)	
		2951 2964
Sh1	(2747)	
Sus1	(2895)	ACCTTTGCAGCTGT
Sus3	(2738)	
Consensus	(2951)	

Figure 9f

Figure 10

Sorghum sequence m SEQ ID NO: 13 in SEQ ID NO: 11 ATTICTGCCCGAAGCTGAACCGCAACGCGACCATCCGG

Maize sequence from SEQ ID NO: 1 in SEQ ID NO: 11

Maize sequi	ence from s	or ur ya	I Marchi	D 110. 11		
SI-AGRICA CITIES	grafficher en g	accgcgtcga	ggacaccctc	cacgcgcacc	gcaacgagct	60
cgtcgccctc	ctgtccaagt	acgtgaacaa	ggggaagggc	atcctgcagc	cgcaccacat	120
cctcgacgcg	ctcgacgagg	tccagggctc	cgggggccgc	gcgctagccg	agggaccctt	180
cctcgacgtc						240
ggtgcgcccg						300
cgagcagctc						360
caatgateee						420
aaatcggtca						480
catgttccgc						540
caaggggcat						600
gctgaccaaa						660
tgcttataaa						720
tttggaaatg						780
gaaattettg						840
ctttggtcaa						900
ggaccaagtc						960
tgtttcccca						1020
caatcagcgg						1080
cagaaatgaa						1140
ggaaacattt						1200
cttcataatt						1260
gggaattacc						1320
catattttgg						1380
aattgctatg						1440
caaaaatact						1500
agttgtccat						1560
catgtccata	tagtttggacg	ataccasasa	aaageeeaae	ctcacctctc	ttesteette	1620
aatcgaaaat	ttastttata	acaccgagaa	asscratres	cacattaggg	atctggatga	1680
ccggtcaaag						1740
gctggtcgaa						1800
tgccgggtac						1860
gatgcatgaa						1920
gacaaacagg						1980
cgtacagccg						2040
gcttcctact						2100
gggcttccac						2160
cgaccggtgc						2220
catatacgag						2280
ctacggtttc						2340
gatgttctac						2400
accgcagtag						2460
						2520
gaccttcagt gttttttatt						2580
						2640
ttgtgtgttc						2700
gcaagccgca				caccecyceg	acceyeyada	2,00
aaaaaaaaa	addadaaaa	aaaaaaaggg	cggccgc			

Figure 11